



# Standards *Actions*

## DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will provide selected reviewers with copies for comment. The full text of these documents is available on the Technical Standards Program Web Site at the URL shown at the bottom of this page. If you wish to comment on these documents, please notify your TSM.

- *Guidance for Identifying, Reporting, and Tracking Nuclear Safety Noncompliances* (revision to DOE-HDBK-1089-95), Project Number [SAFT-0066](#); Steve Zobel, EH-10; 301-903-2615, FAX 301-903-0081, [Steve.Zobel@hq.doe.gov](mailto:Steve.Zobel@hq.doe.gov); comments due December 19, 1997.
- *Integration of Safety and Health Into Facility Disposition Activities, Vol. 1 - Technical Standard, Vol. 2 - Appendices*, Project Number [SAFT-0060](#); Tony Eng, EH-53; 301-903-4210, FAX 301-903-8817, [Tony.Eng@ch.doe.gov](mailto:Tony.Eng@ch.doe.gov); or P. K. Niyogi, EH-32, 301-903-2421, FAX 301-903-6383, [PK.Niyogi@eh.doe.gov](mailto:PK.Niyogi@eh.doe.gov); comments due December 15, 1997.

## DOE Documents Recently Published

The following DOE documents have recently been published:

- [DOE-STD-7501-95](#), *Development of DOE Lessons Learned Programs*, March 1995, Change Notice No. 1, September 1997.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

Copies of DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page.

## DOE Documents Recently Canceled

- DOE-STD-1005-92, *Guide to Good Practices for Developing Learning Objectives*, July 1992 (replaced by DOE-HDBK-1200-97).

### Technical Standards Program Document Status as of 10/31/97

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	37	23	1

**Total in process = 60**

- DOE-STD-1006-92, *Guide to Good Practices: Evaluating Instrument Examples*, July 1992 (replaced by DOE-HDBK-1201-97).
- DOE-STD-1007-92, *Guide to Good Practices for Teamwork Training and Diagnostic Skills Development*, July 1992 (replaced by DOE-HDBK-1202-97).
- DOE-STD-1008-92, *Guide to Good Practices for Training of Technical Staff and Managers*, July 1992 (replaced by DOE-HDBK-1203-97).
- DOE-STD-1009-92, *Guide to Good Practices for the Development of Test Items*, July 1992 (replaced by DOE-HDBK-1204-97).

- DOE-STD-1011-92, *Guide to Good Practices for the Design, Development, and Implementation of Examinations*, July 1992 (replaced by DOE-HDBK-1205-97).

- DOE-STD-1048-92, *Performance Indicators Guidance Document*, December 1992.

Note: Archival copies of these documents will be maintained by the Technical Standards Program Office, and are available upon request.

## Proposed Cancellation of DOE Technical Standard

The following DOE technical standard has been proposed for cancellation:

- DOE-STD-1010-92, *Guide to Good Practices for Incorporating Operating Experience*, July 1992.

As reported by the Office of Primary Interest (EH-31), the standard is no longer necessary since the technical standards associated with the lessons learned program (DOE-STD-7501-95 and DOE-STD-7502-95) contain equivalent guidance. Comments on this action should be submitted to George Detsis, EH-53; 301-903-1488, FAX 301-903-8817, [George.Detsis@hq.doe.gov](mailto:George.Detsis@hq.doe.gov).



## Non-Government Standards

### American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email [sbose@ansi.org](mailto:sbose@ansi.org). For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments.

#### The following American National Standards are currently in coordination:

- AMCA 803-96, *Industrial Process/Power Generation Fans: Site Performance Test Standard* (new standard); comments due November 25, 1997.
- ANS 2.10, *Guidelines for Handling and Initial Evaluation of Records from Nuclear Power Plant Seismic Instrumentation* (new standard); comments due November 25, 1997.
- ANS 2.23, *Guidelines for Post-Earthquake Review and Description* (new standard); comments due November 25, 1997.
- ANS 5.10, *Airborne Release Fractions at Non-Reactor Nuclear Facilities* (new standard); comments due November 25, 1997.
- API 553, *Refinery Control Valve* (new standard); comments due December 23, 1997.
- API 685, *Sealless Centrifugal Pumps for Petroleum, Heavy Duty Chemical and Gas Industry Services* (new standard); comments due December 23, 1997.
- API RP-505-1997, *Recommended Practice for Classification of Locations for Electrical Installations at Petroleum Facilities Classified as Class 1 Zone 0, Zone 1, and Zone 2 - First Edition* (new standard); comments due December 9, 1997.
- ASHRAE 147P, *Reducing Emission of Fully Halogenated Chlorofluorocarbon (CFC) Refrigerants in Refrigeration and Air-Conditioning Equipment and Applications* (new standard); comments due December 9, 1997.
- ASTM A0479, *Specification for Stainless and Heat-Resisting Steel Bars and Shapes for Use in Boilers and Other Pressure Vessels* (revision of ANSI/ASTM A0479-97a); comments due December 9, 1997.
- ASTM E176a, *Terminology of Fire Standards* (revision of ANSI/ASTM E176-97); comments due December 9, 1997.

- EIA SP-3537 (if approved, to be published as ANSI/EIA 632-1), *Process for Engineering a System - Part 1: Process Characteristics* (new standard); comments due November 25, 1997.
- EIA SP-3721 (if approved, to be published as ANSI/EIA 649), *National Consensus Standard for Configuration Management* (new standard); comments due November 25, 1997.
- IEEE 1082-1997, *Guide for Incorporating Human Action Reliability Analysis for Nuclear Power Generating Stations* (new standard); comments due December 23, 1997.
- IEEE C135.61-1997, *Testing of Overhead Transmission and Distribution Line Hardware* (new standard); comments due December 23, 1997.
- ISA dS77.13.01, *Fossil Fuel Power Plant Steam Turbine Bypass System* (new standard); comments due December 23, 1997.
- N13.45, *Incineration of Institutional Low-Level Radioactive Waste* (new standard); comments due December 23, 1997.
- NECA/IESNA 500, *Recommended Practice for Installing Commercial Lighting Systems* (new standard); comments due December 9, 1997.
- NEMA GR 1-1997, *Ground Rods and Ground Rod Couplings* (new standard); comments due December 9, 1997.
- NETA MTS 7.6.1.1-1997, *Electrical Maintenance of Low-Voltage Insulated Case/Molded Case Circuit Breakers* (new standard); comments due November 25, 1997.
- NFPA 10-1998, *Standard for Portable Fire Extinguishers* (revision of ANSI/NFPA 10-1994); comments due November 25, 1997.
- NFPA 101A-1998, *Guide on Alternative Approaches to Life Safety* (revision of ANSI/NFPA 101A-1995); comments due November 25, 1997.
- NFPA 801-1998, *Standard for Facilities Handling Radioactive Materials* (revision of ANSI/NFPA 801-1995); comments due November 25, 1997.
- NFPA 921, *Guide for Fire and Explosion Investigations* (revision of ANSI/NFPA 921-1995); comments due November 25, 1997.
- UL 330, *Standard for Safety for Hose and Hose Assemblies for Dispensing Flammable Liquids* (new standard); comments due December 9, 1997.
- UL 486A, *Standard for Safety for Wire Connectors and Soldering Lugs for Use with Copper Conductors* (new standard); comments due December 23, 1997.
- UL 2079, *Standard for Safety for Tests for Fire Resistance of Building Joint Systems* (new standard); comments due December 9, 1997.
- Z16.5, *Occupational Safety and Health Incident Surveillance* (new standard); comments due November 25, 1997.
- Z21.83, *Fuel Cell Power Plants* (same as CGA 12.10) (new standard); comments due November 25, 1997.

#### The following newly published American National Standards are available from ANSI:

- ANSI/ASHRAE 28-1996, *Method of Testing Flow Capacity of Refrigerant Capillary Tubes*.
- ANSI/IEEE 446-1995, *Emergency and Standby Power Systems For Industrial and Commercial Applications*.

- ANSI N13.22-1995, *Bioassay Programs for Uranium*.
- ANSI/NFPA 101-1997, *Life Safety Code*.
- ASME NUM-1—1996, *Rules for Construction of Cranes, Mono-rails, and Hoists (With Bridge or Trolley or Hoist of the Underhung Type)*.

**The following international standards are currently in coordination** (comment due dates follow each entry):

- EN 353-1: 1992/prA1, *Personal protective equipment against falls from a height - Part 1: Guided type fall arresters including a rigid anchorage line* - January 14, 1998.
- EN 362: 1992/prA1: 1997, *Personal protective equipment against falls from a height - Connectors* - January 14, 1998.
- EN 50130-4: 1995/prA1: 1997, *Alarm systems - Part 4: Electromagnetic compatibility - Product family standard: Immunity requirements for components of life, intruder and social alarm systems* - January 10, 1998.
- ENV 22605-3: 1991 REVIEW, *Steel products for pressure purposes - Derivation and verification of elevated temperature properties - Part 3: An alternative procedure for deriving the elevated temperature yield or proof stress properties when data are limited (ISO 2605-3: 1985)* - February 4, 1998.
- ISO/DIS 11462-1, *Guidelines for implementation of statistical process control (SPC) - Part 1: elements of SPC* - January 2, 1998.
- ISO/DIS 11613, *Protective clothing for firefighters - Laboratory test methods and performance requirements* - January 11, 1998.
- ISO/DIS 11660-5, *Cranes - Access, guards and restraints - Part 5: Overhead traveling and portal bridge cranes* - January 18, 1998.
- ISO/DIS 13340, *Transportable gas cylinders - Cylinders valves for non-refillable cylinders - Specification and type testing* - January 11, 1998.
- ISO/DIS 13788, *Hygrothermal performance of building components and building elements - Estimation of internal surface temperature to avoid critical surface humidity and calculation of interstitial condensation* - January 18, 1998.
- ISO/DIS 14687, *Hydrogen fuel - Product specification* - January 11, 1998.
- ISO/DIS 14966, *Ambient air - Determination of numerical concentration of inorganic fibrous particles - Scanning electron microscopy method* - January 18, 1998.
- ISO/DIS 15522, *Water quality - Determination of the inhibitory effect of water constituents on the growth of activated sludge microorganisms* - November 28, 1997.
- prEN 1918-2, *Gas supply systems - Underground gas storage - Part 2: Functional recommendations for storage in oil and gas fields* (for information).
- prEN ISO 13407, *Human-centred design processes for interactive systems (ISO/DIS 13407: 1997)* - December 21, 1997.
- prEN 12999, *Cranes - Safety - Loader cranes* - January 14, 1998.
- prEN 13034, *Protective clothing against liquid chemicals - Performance requirements for chemical protective suits offering limited protective performance against liquid chemicals (type 6 equipment)* - February 11, 1998.

**The following newly published international standards are available from ANSI:**

- IEC 60309-1: 1997, *Plugs, socket-outlets and couplers for industrial purposes - Part 1: General requirements*.
- ISO 3898: 1997, *Bases for design of structures - Notations - General symbols*.
- ISO 7465: 1997, *Passenger lifts and service lifts - Guide rails for lifts and counterweights - T-type*.
- ISO 8727: 1997, *Mechanical vibration and shock - Human exposure - Biodynamic coordinate systems*.

**American Society for Testing and Materials**

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). ASTM has developed a World Wide Web home page at the following URL: <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

**The following ASTM standards are currently in coordination:** (the due date for all items is November 10, 1997).

- New Standard, *Practice for Application of Aluminum-Pigmented Asphalt Roof Coating* (Formerly D 3805-85).
- New Standard, *Test Method for Positive Pressure Fire Tests of Door Assemblies* (Ref. Z0889Z).
- New Standard, *Test Method for Positive Pressure Fire Test of Window Assemblies* (Ref. Z2428Z).
- New Standard, *Test Method for Cathodic Disbonding of Pipeline Coatings by Laboratory Simulation of Soil Burial* (Ref. Z6475Z).
- New Standard, *Test Method for Determination of Sulfur Compounds in Natural Gas and Gaseous Fuels by Gas Chromatography and Flame Photometric Detection* (Ref. Z6475Z).
- New Standard, *Specification for Precast Autoclaved Aerated Concrete High-Precision Wall Construction Units* (Ref. Z6481Z).
- New Standard, *Test Method for Measuring the P-Wave Speed and the Thickness of Concrete Plates Using the Impact-Echo Method* (Ref. Z6843Z).
- New Standard, *Test Method for Fire Resistive Joint Systems* (Ref. Z6856Z).
- New Standard, *Specification for Concrete Roof Pavers* (Ref. Z6950Z).
- New Standard, *Specification for Steel Investment Castings, General Requirements, for Pressure-Containing Parts* (Ref. Z7034Z).

**The following newly published standards are available from ASTM:**

- D 5157-97, *Guide for Statistical Evaluation of Indoor Air Quality Models* (revised standard).
- D 6065-96, *Practice for Handling, Transportation and Storage of HFC-227EA 1, 1, 1, 2, 3, 3-Heptafluoropropane (Cf3 Chfcf3)1* (new standard).
- D 6091-97, *Practice for 99%/95% Interlaboratory Detection Estimate (IDE) for Analytical Methods With Negligible Calibration Error* (new standard).
- E 1321-97, *Test Method for Determining Material Ignition and Flame Spread Properties* (revised standard).
- E 1855-96, *Method for Use of 2n2222a Silicon Bipolar Transistors as Neutron Spectrum Sensors and Displacement Damage Monitors* (new standard).
- E 1865-97, *Guide for Open-Path Fourier Transform Infrared (OP/FT-IR) Monitoring of Gases and Vapors in Air* (new standard).
- E 1886-97, *Test Method for Performance of Exterior Windows, Curtain Walls, Doors and Storm Shutters Impacted by Missile(s) and Exposed to Cyclic Pressure Differentials* (new standard).

**American National Standards Projects Initiated**

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should

contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

**American Nuclear Society**

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La Grange Park, IL 60526-5592

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**Contact:** Marilyn D. Weber

- ANS 58.21, *Application of Probabilistic Risk Assessment (PRA) to Plant-Specific Regulatory Activities* (new standard).

**Comments, Questions, and Addresses**

**Comments:** If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email [Richard.Serbu@eh.doe.gov](mailto:Richard.Serbu@eh.doe.gov). If you have any questions or comments on DOE standards projects, please contact Don Spellman, Oak Ridge National Laboratory (ORNL), 423-574-7891, FAX 423-574-0382, Email [spellmandj@ornl.gov](mailto:spellmandj@ornl.gov).

**Addresses:** To update our distribution list, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423- 574-0382, Email [mmf@ornl.gov](mailto:mmf@ornl.gov).

The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email [lj8@ornl.gov](mailto:lj8@ornl.gov).



# Standards *Actions*

United States Department of Energy

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